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I, JULIE BILLINGSLEY, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2004902722 for a patent by CTECH CLOSURES PTY LTD as filed on 21 May 2004.

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WITNESS my hand this
Twelfth day of August 2004

JULIE BILLINGSLEY
TEAM LEADER EXAMINATION
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The present invention is a tamper evident closure

with an integral receptacle or cup to enable items to be contained within the closure receptacle but separated from the contents of the container by known means such as a foil layer and

a mould assembly and method of closure manufacture.

Referring to Fig. 1 which is a partial section of a tamper evident closure and integral cylindrical receptacle.

Closure 10 has

sealing means 40 to sealingly engage the inside wall 65 of the container neck and sealing means 44 to sealingly engage the outside wall 64 of the container neck 60 and

tamper band 55 attached to skirt 30 by frangible bridges 50 and more than one tamper band engagement portion 58 being separate from each other thus facilitating less resistance when passing over container tamper bead 61 upon application to the container and

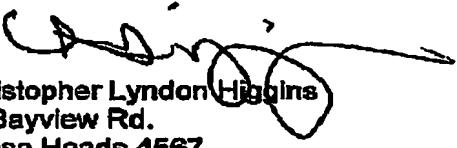
a cylindrical receptacle 150 which may be of any desired length but advantageously its length (not shown) extends from the top wall 20 of the closure to between the lines marked 'G' and 'H' such that the end of the receptacle does not project from the closure whilst the tamper band 55 is on the closure thus facilitating ease of sorting and orienting and applying the closure to the container but when the closure is removed from the container by known means separating the closure from the tamper band the end of the receptacle will project from the closure thus facilitating removal of any sealing means applied to the open end of the receptacle. Such receptacle sealing means being necessary to keep separate the contents of the receptacle and the contents of the container.

The said receptacle has inside wall 151 and outside wall 152 the walls being thicker at the point at which the said walls join the top wall 20 of the closure and said receptacle walls being thinner at the open end of the receptacle. The taper in the walls being sufficient to allow easy removal from the mould by relative movement between one or more mould components and/or relative movement between the said mould components and the closure.

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Referring to fig 2

Mould assembly disclosed by Taha in US Patent 6,551,093 which is hereby incorporated herein has been modified to create receptacle walls 150 and 151. The annular receptacle may be of smaller diameter and located closer to mould portion 220 and on larger diameter closures the width of mould portion 210 can be increased, thus facilitating creation of receptacle walls of greater length than that shown.


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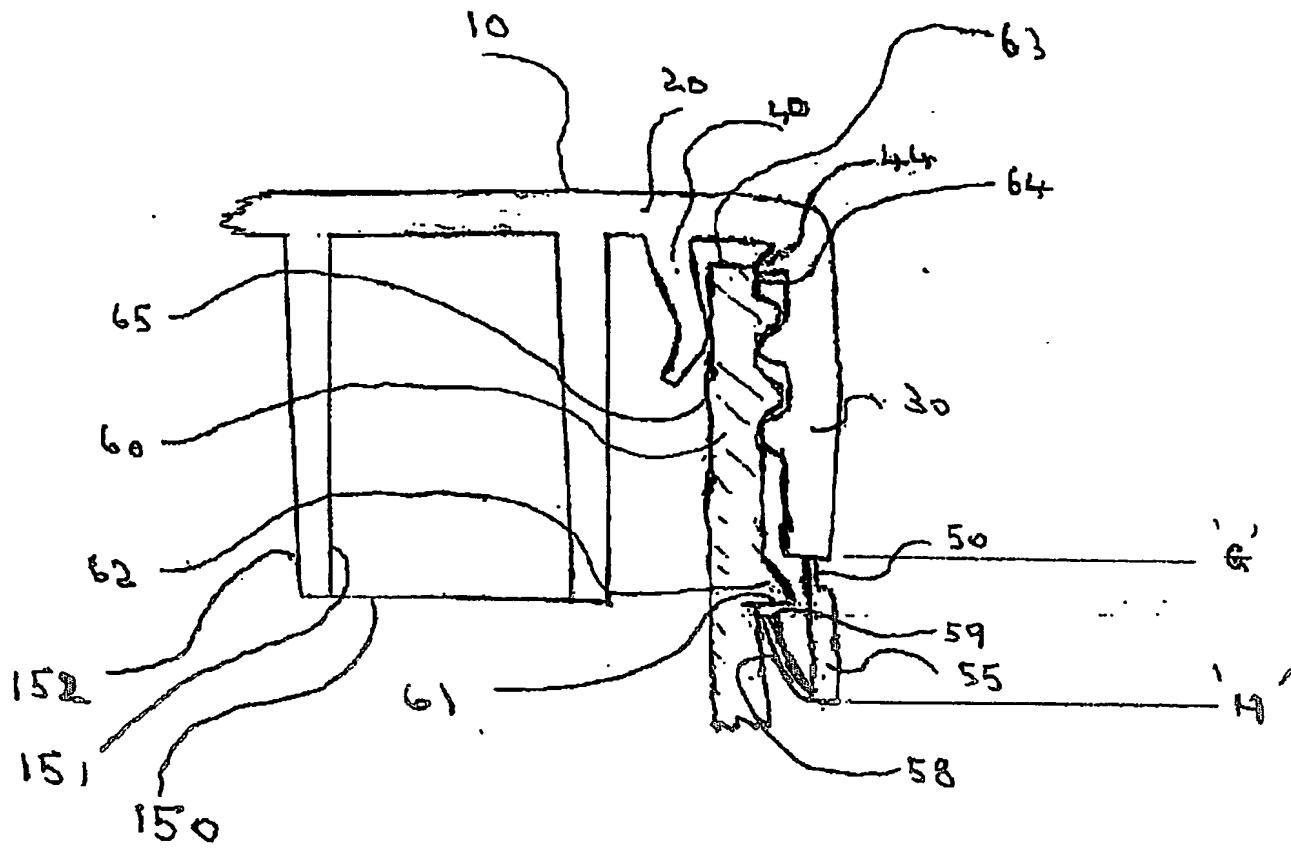


FIG. 1.

U.S. Patent

Apr. 22, 2003

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US 6,551,093 B2

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